GRAINBENCH ORIGINAL | CONFIDENT BEGINNER

The Reading Corner Book Bin

A low, open floor bin that shows off picture books face-out. Sloping sides make it easy for small hands to reach in.



SIZE	SKILL	TIME	JOINERY
22 in wide, 12 in deep, 16 in tall	Confident beginner	About 3 to 4 hours, plus finish drying	Screws and glue

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01 / MATERIALS AND TOOLS

What to buy.

LUMBER AND SHEET GOODS

BUY	USED FOR
1 x 1x6 board, 4 ft (or an offcut at least 21-1/2 in long)	F front lip
1 x 3/4 plywood, 4 ft x 4 ft panel	B bottom, R back, S sides (cut to a slope)

Use smooth plywood with a good face. All the plywood parts fit on a 4 x 4 ft panel.

HARDWARE AND SUPPLIES

ITEM	AMOUNT
#8 x 1-1/2 in flathead wood screws	22, plus a few spares
Wood glue	Small bottle of interior wood glue
Sandpaper	120 and 180 grit
Finish	About 500 mL (1 pint) of low-odour, child-safe paint or clear finish
Felt pads (optional)	4

TOOLS

- Circular saw with a straight-edge guide, or have the store cut the plywood
- Jigsaw for the angled and shaped cuts
- Drill/driver with a countersink bit
- Tape measure, pencil and a combination or speed square
- 2 clamps that open to at least 24 in
- Sander or sanding block
- Safety glasses and hearing protection

02 / CUT LIST

Cut the parts.

Cut the two side blanks S as 16 x 12 in rectangles; the slope comes in step 1. Cut the bottom, back and lip square.

ID	PART	QTY	LENGTH	WIDTH	THICK	FROM
S	Sides (cut to a slope)	2	16 in	12 in	3/4 in	3/4 plywood
B	Bottom	1	20-1/2 in	12 in	3/4 in	3/4 plywood
R	Back	1	20-1/2 in	15-1/4 in	3/4 in	3/4 plywood
F	Front lip	1	20-1/2 in	5-1/2 in	3/4 in	1x6

CUTTING DIAGRAMS

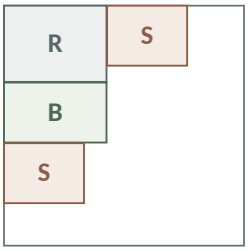
1x6 x 4 ft

21-1/2 in used, including 1 in to square the end and 1/8 in per cut



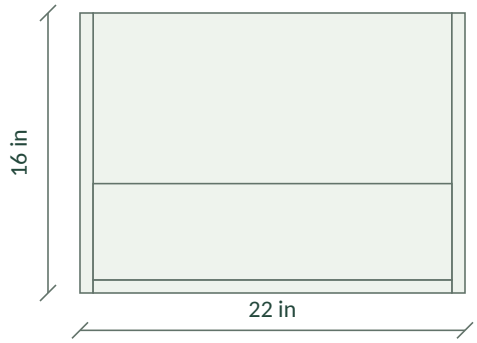
3/4 plywood, 4 ft x 4 ft

Long edge runs left to right. Allow 1/8 in between parts for the saw.

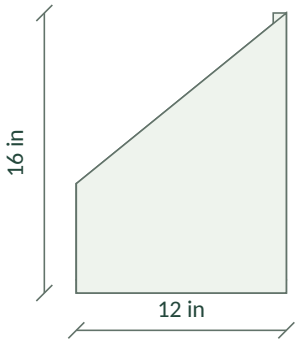


FINISHED SIZE

FRONT



SIDE



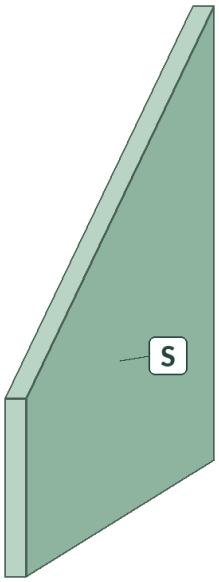
The sides slope from 6-1/4 in tall at the front to 16 in at the back. The bottom, back and front lip fit between them.

03 / BUILD

Put it together.

STEP 1 Cut the sloped sides

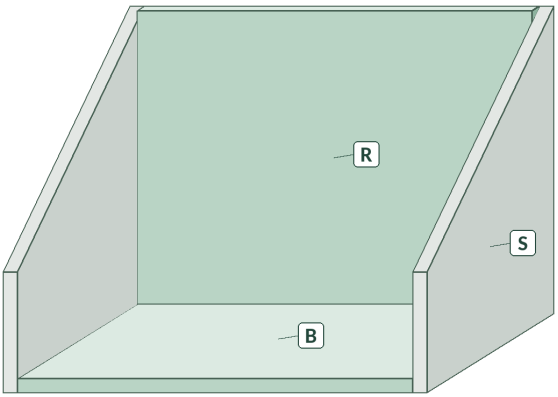
Clamp both **S** blanks together. Mark 6-1/4 in up on the front edge and 16 in (the full height) at the back, join the marks, and cut both at once so they match.



GREEN: added in this step | GREY: already in place

STEP 2 Fit the bottom and back

Glue the ends of **B**, clamp it between the sides flush at the bottom, and drive 3 screws through each side into it. Stand **R** on **B** at the back, glue, and drive 3 screws through each side and 3 up through **B**.



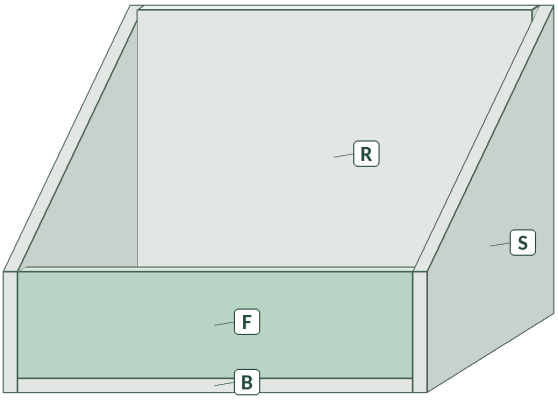
GREEN: added in this step | GREY: already in place

03 / BUILD, CONTINUED

STEP 3

Add the front lip

Fit **F** on **B** at the front between the sides. Glue, drive 2 screws through each side and 3 up through the bottom.

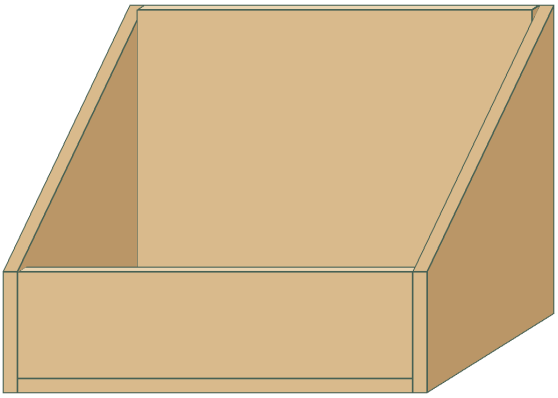


GREEN: added in this step | GREY: already in place

STEP 4

Finish

Round every edge and corner well, sand smooth, and apply your finish.



CARE

A floor bin for books, not a seat, step or toy box. Keep it on a flat floor.

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Dimensions, part counts and cutting layouts were checked digitally. The plan has not been load-tested.